

FIG. 1

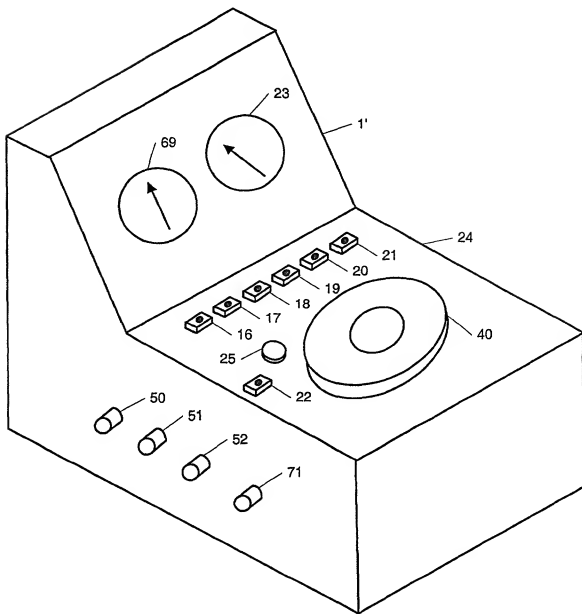
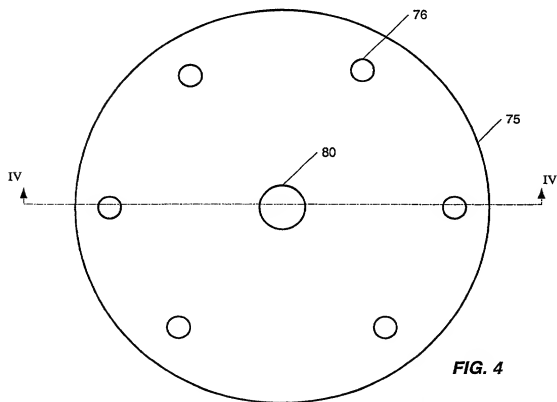
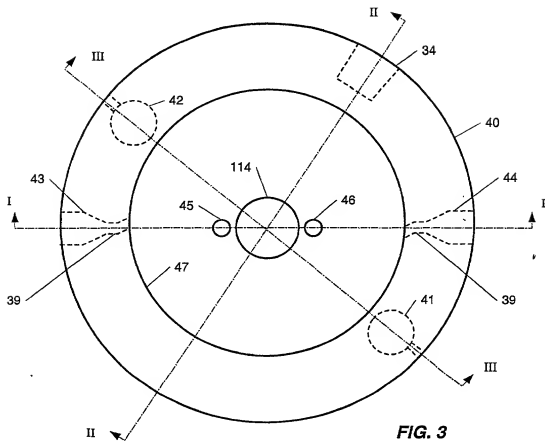


FIG. 2



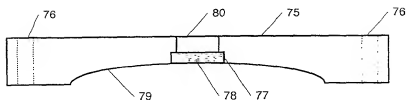


FIG. 5

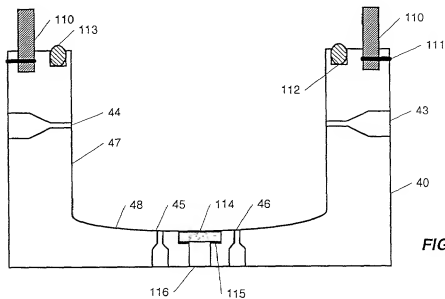


FIG. 6

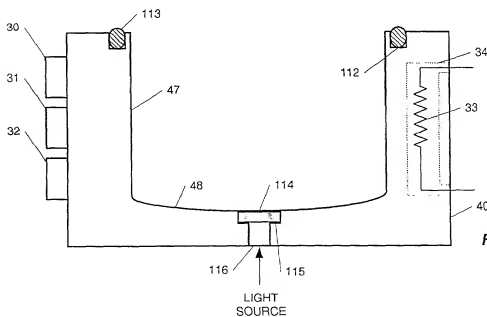


FIG. 7

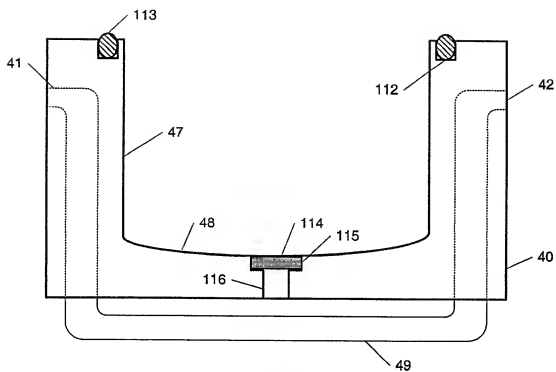
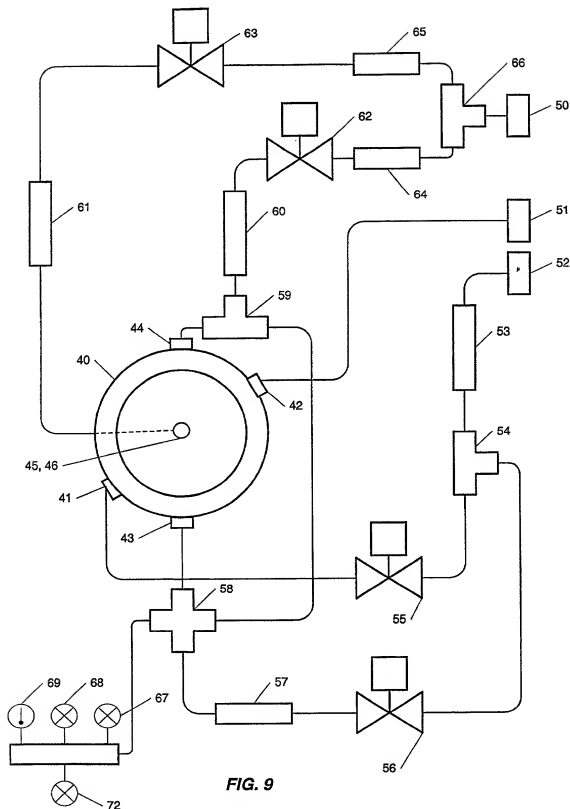


FIG. 8



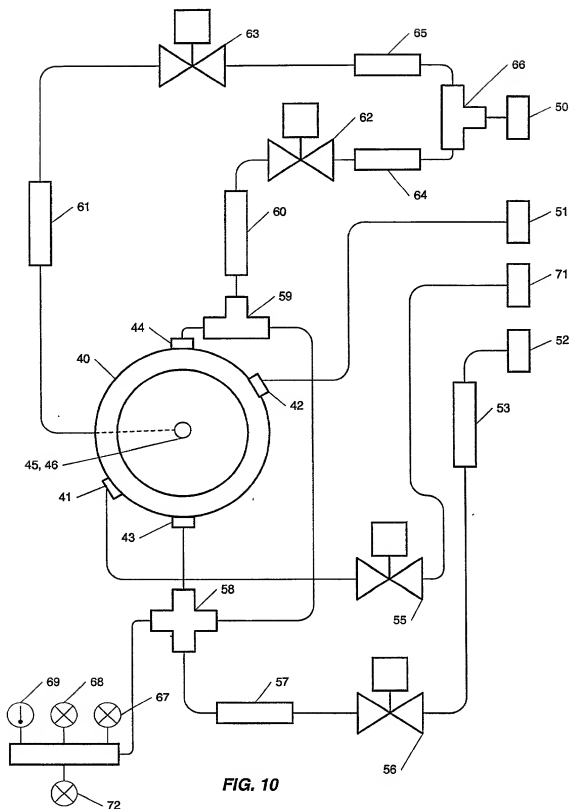


FIG. 10

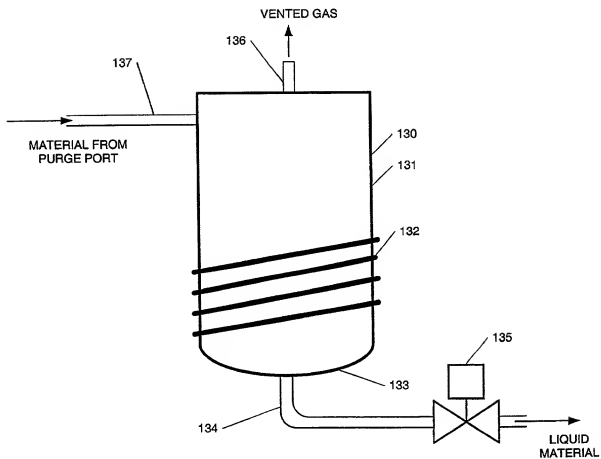


FIG. 11

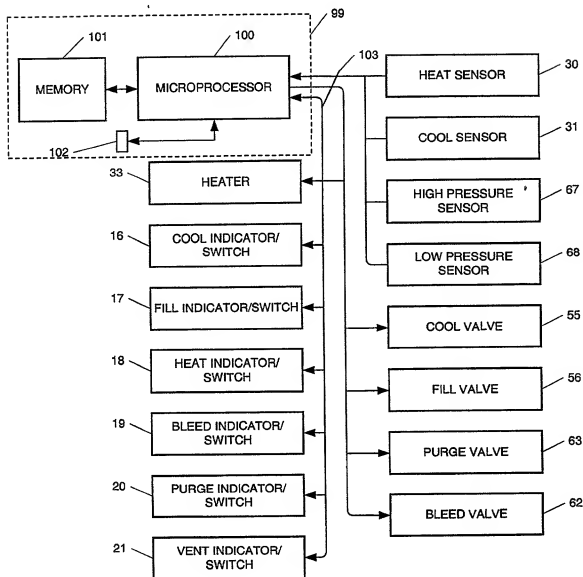


FIG. 12



FIG. 13A

↓ INTO WAFER
HOLDER

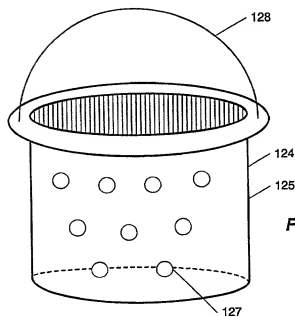


FIG. 13B

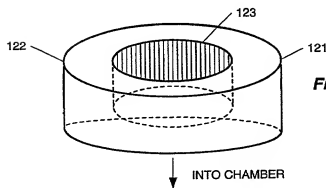


FIG. 13C

FIG. 13E

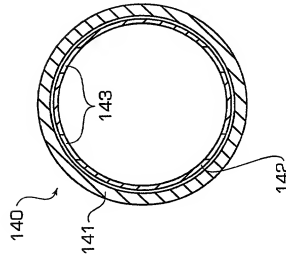


FIG. 13D

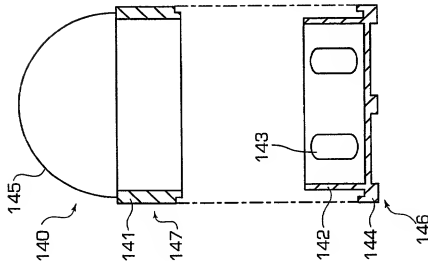


FIG. 13H
FLOW THROUGH POSITION

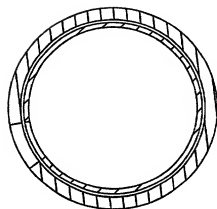


FIG. 13F
SEALED POSITION

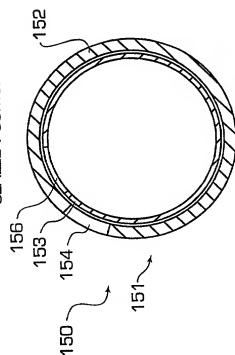


FIG. 13I

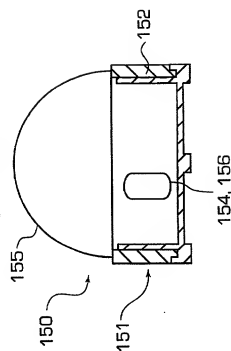


FIG. 13G

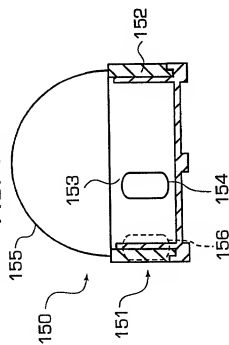


FIG. 13H

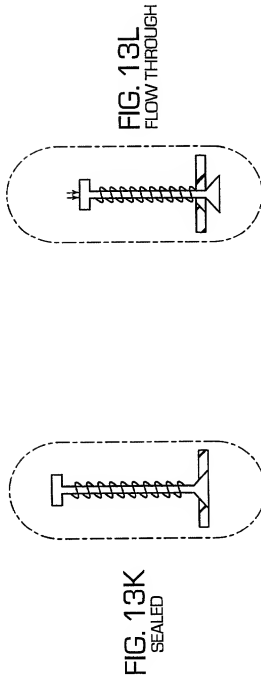


FIG. 13J

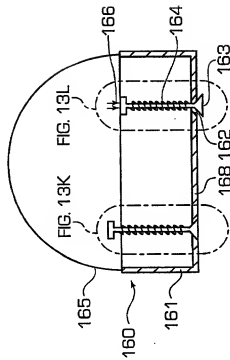


FIG. 13N
SEALED



FIG. 13O
FLOW THROUGH



FIG. 13M

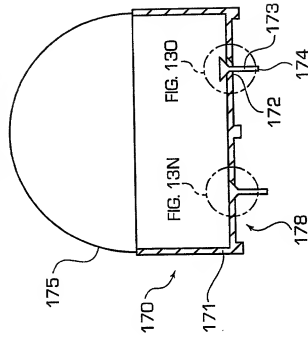


FIG. 13N SEALED

FIG. 13O FLOW THROUGH

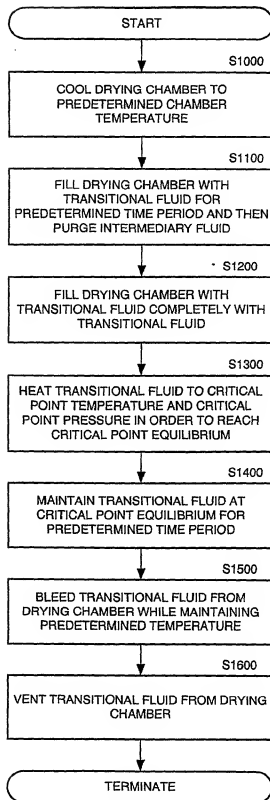


FIG. 14

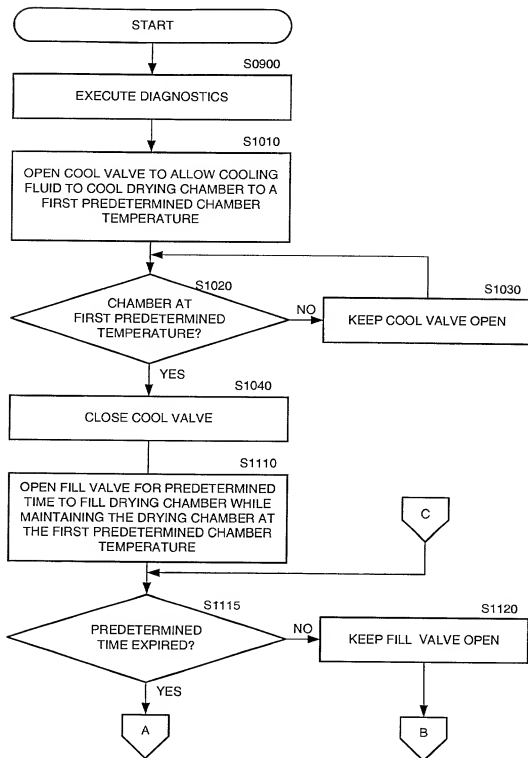


FIG. 15A

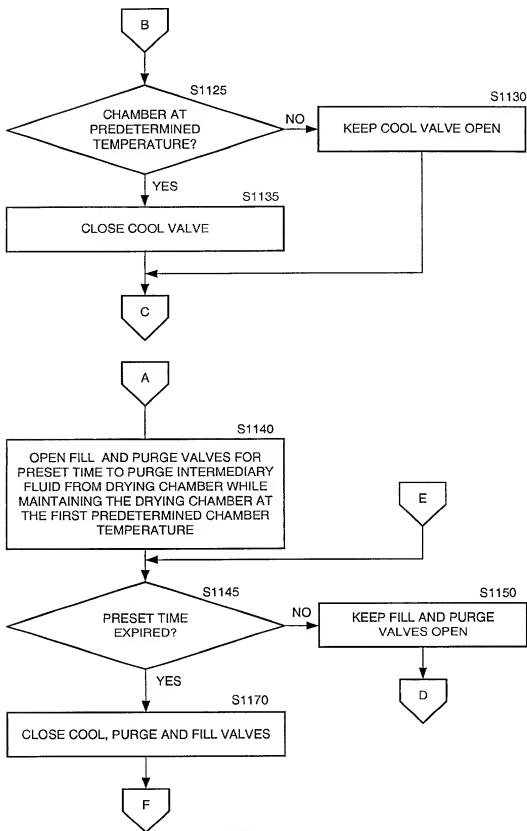


FIG. 15B

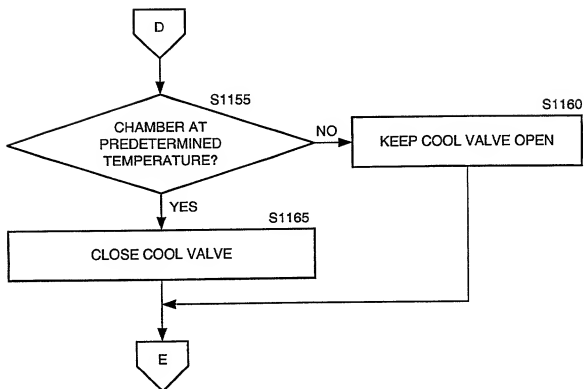


FIG. 15C

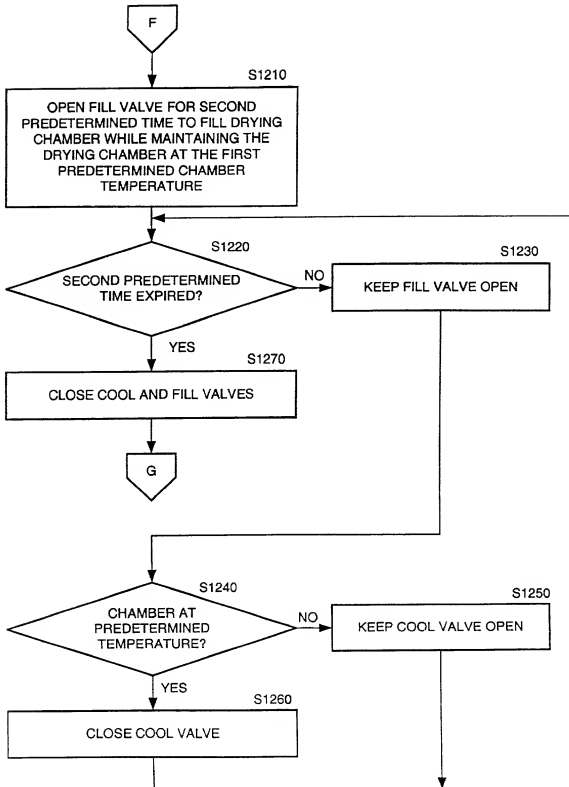


FIG. 15D

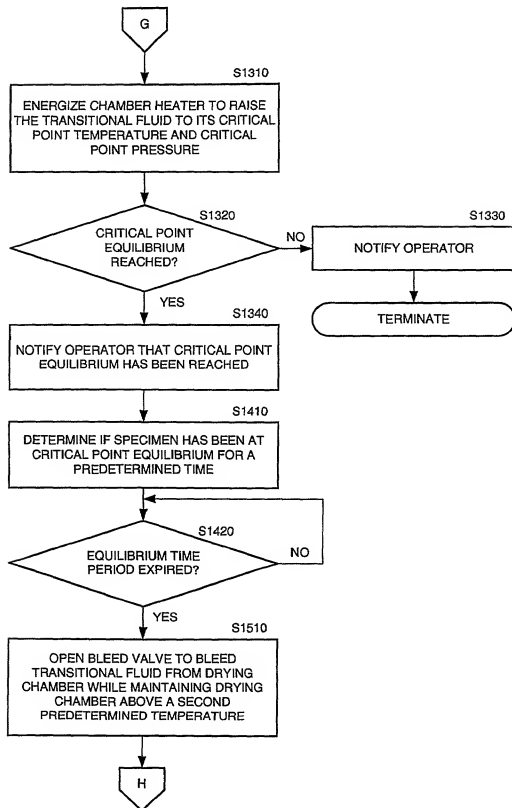


FIG. 15E

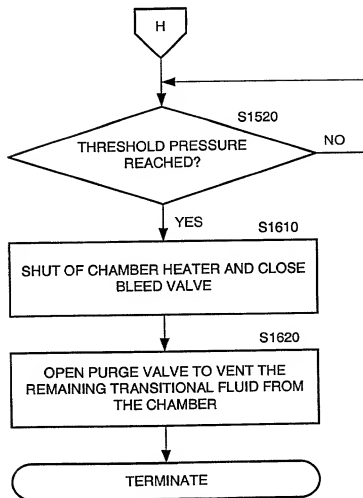


FIG. 15F

MODE	COOL VALVE	FILL VALVE	PURGE VALVE	BLEED VALVE	VALVE OPERATIONS
COOL	OPEN	CLOSED	CLOSED	CLOSED	COOL VALVE STAYS OPEN UNTIL CHAMBER TEMPERATURE < 5° C
FILL (1)	AS NEEDED	OPEN	CLOSED	CLOSED	PRESET BASED ON CHAMBER SIZE; COOL VALVE CYCLES TO KEEP CHAMBER TEMPERATURE < 5° C
PURGE	AS NEEDED	OPEN	OPEN	CLOSED	PRESET BY OPERATOR; COOL VALVE CYCLES TO KEEP CHAMBER TEMPERATURE < 5° C
FILL (2)	AS NEEDED	OPEN	CLOSED	CLOSED	PRESET BASED ON CHAMBER SIZE; COOL VALVE CYCLES TO KEEP CHAMBER TEMPERATURE < 5° C
HEAT	CLOSED	CLOSED	CLOSED	CLOSED	
BLEED	CLOSED	CLOSED	CLOSED	OPEN	BLEED VALVE CLOSSES WHEN PRESSURE < 400 PSI
VENT	CLOSED	CLOSED	OPEN	CLOSED	PURGE VALVE STAYS OPEN UNTIL POWER IS TURNED OFF

FIG. 16